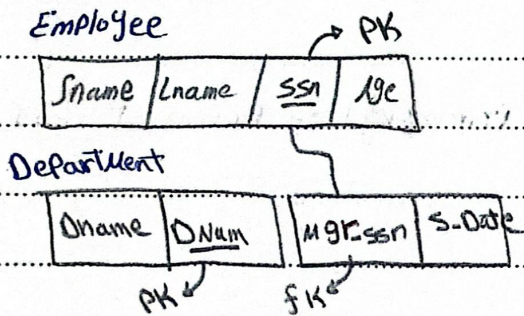
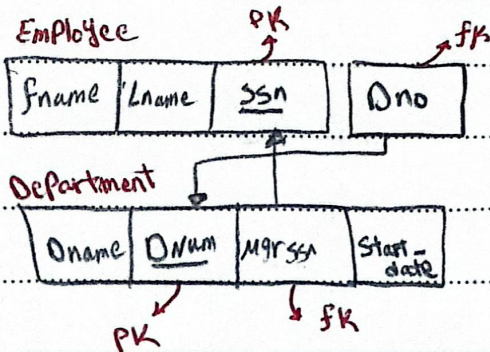
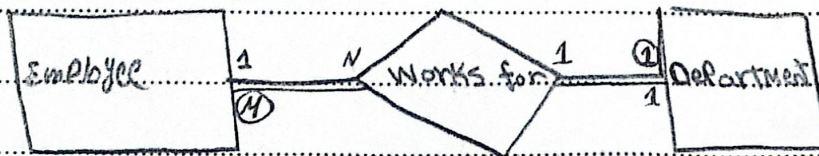


ch7 Mapping

* لوعلاقه 1:1 بتأخذ Primary Key من إحداهما و Parital في الأخرى
 total في foreignkey



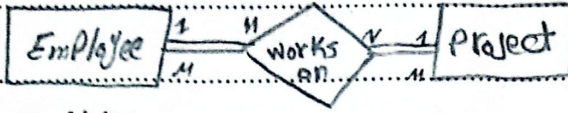
* لوعلاقه 1:Many بتأخذ Primary Key من إحداهما و 3 foreignkey في الأخرى



ملاحظة: M:M Relation بين Primary Key للجدولين

2 Primary Key يكون

Primary Key للجدول جديد



Employee

Frame	<u>SSN</u>	Salary
-------	------------	--------

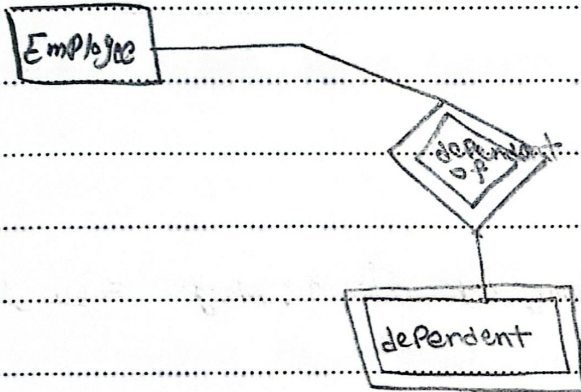
works on

<u>ESSN</u>	<u>PNO</u>	Hours
-------------	------------	-------

Project

Pname	<u>Pnumber</u>	Plocat
-------	----------------	--------

ملاحظة: Dependent بين Primary Key في Employee و Employee dependent



Employee

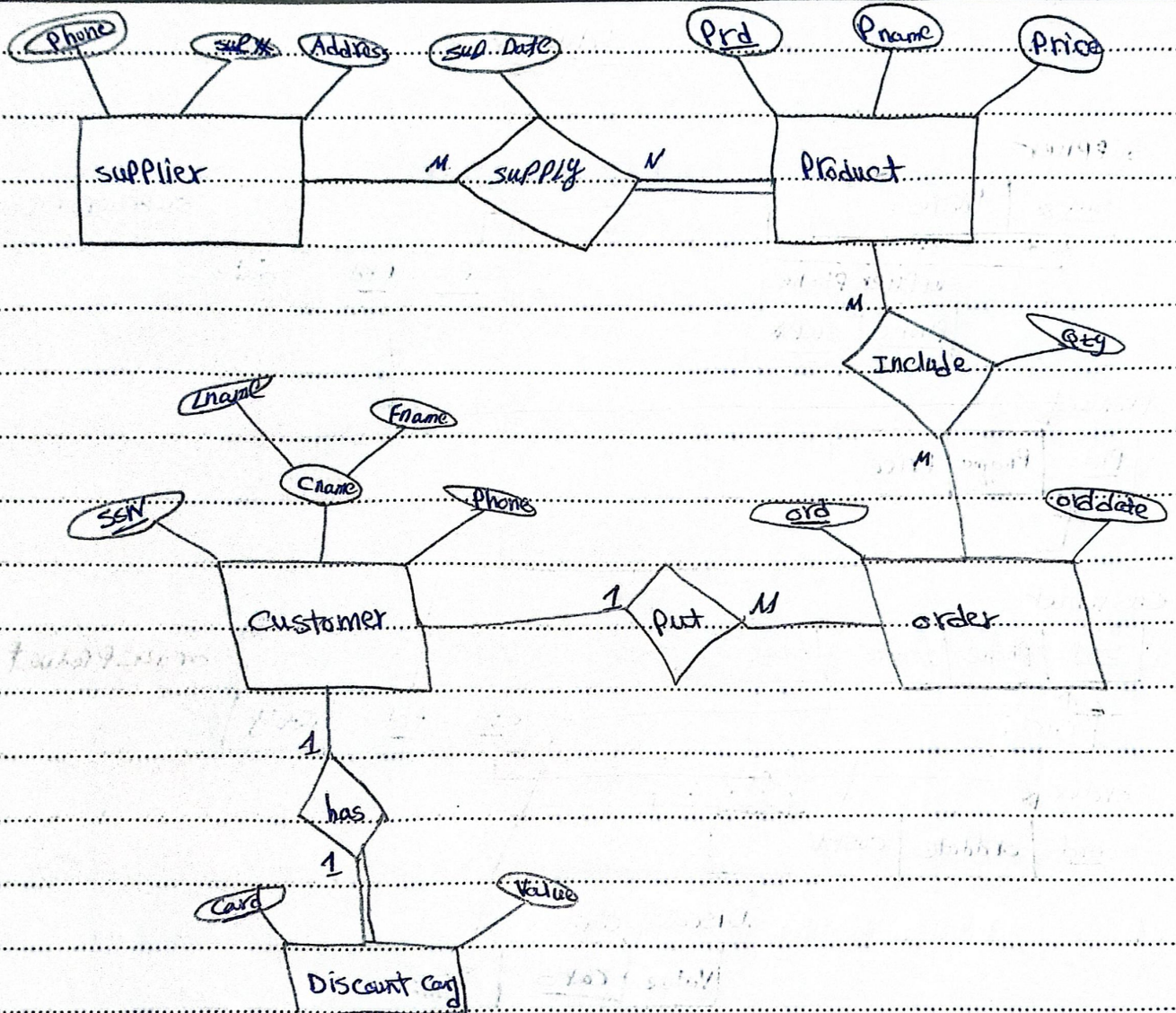
Pname	<u>SSN</u>	Lname	Salary
-------	------------	-------	--------

PK

dependent

<u>Dependent_name</u>	<u>SSN</u>	Bdate	<u>ESSN</u>
-----------------------	------------	-------	-------------

PK

exa

← Mapping →

Solution

Supplier

<u>sup#</u>	Address
-------------	---------

Supplier-Phone

<u>Phone</u>	<u>sup#</u>
--------------	-------------

Supplier-Product

<u>sup#</u>	<u>prd</u>	date
-------------	------------	------

Product

<u>Prd</u>	Pname	Price
------------	-------	-------

Customer

<u>SSN</u>	Phone	fName	lName
------------	-------	-------	-------

order-Product

<u>ord</u>	<u>prd</u>	Qty
------------	------------	-----

order

<u>ord</u>	orddate	custN
------------	---------	-------

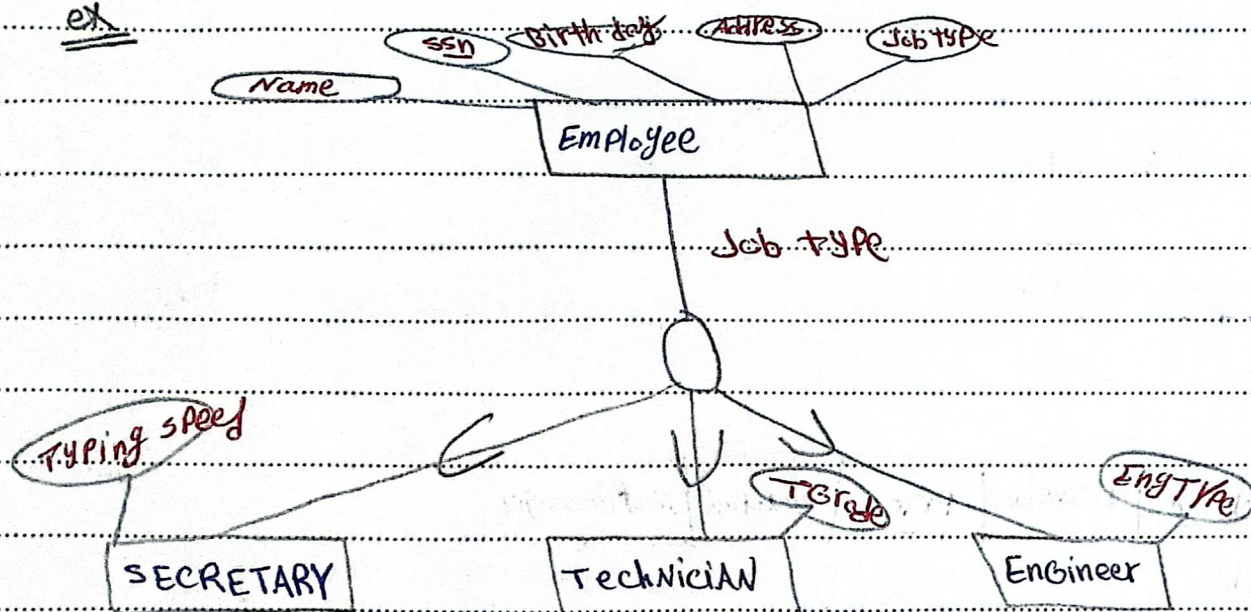
Discount-card

Value	card	<u>SSN</u>
-------	------	------------

Mapping → EERD

I. Multiple relations - superclass and subclasses →

ex



Name	JobType	Birthdate	<u>SSN</u>	Address
------	---------	-----------	------------	---------

Secretary

<u>SSN</u>	Typing speed
------------	--------------

Technician

<u>SSN</u>	Trade
------------	-------

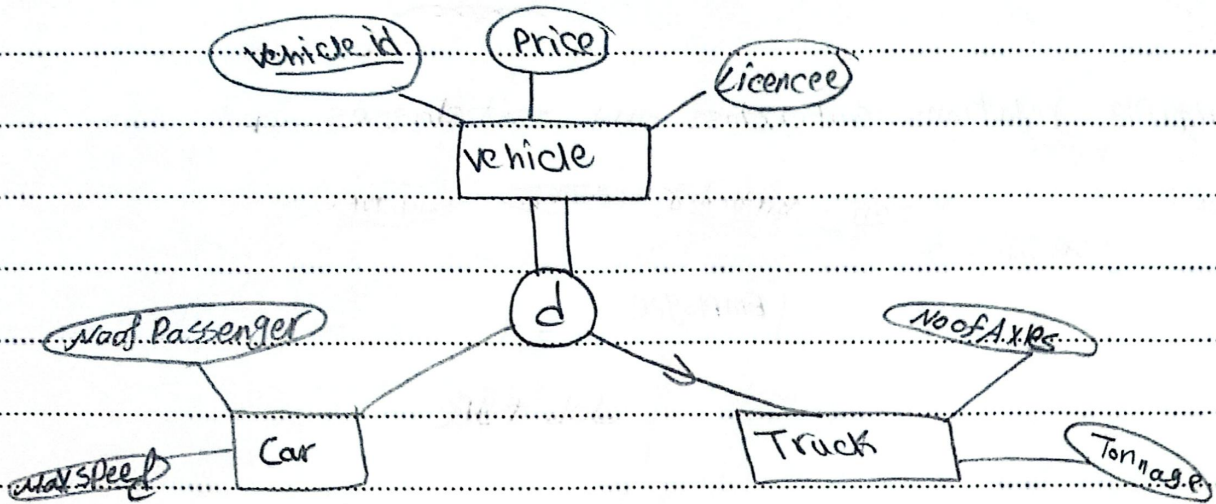
Engineer

<u>SSN</u>	EngType
------------	---------

دسته بندی شده است Constraint
 d ←
 o ←
 Total ←
 Partial ←

Signature

② Multiple relations - subclass relations only



Car

Vehicle-id	Licencee	Price	Max Speed	No of Passenger
------------	----------	-------	-----------	-----------------

Truck

Vehicle-id	Licencee	Price	Tonnage	No of Axes
------------	----------	-------	---------	------------

sub (في Super) no attribute $\downarrow$ ليس + $\downarrow$ Subclass Mapping like to
 sub $\downarrow$ super no Primary Key Sub

* النوع ده تستخدم في حالة (Total + disjoint)

* يبحث عن attributes في ملف الوهم ولا يدخل بيانات attribute subclass المختلف
يبحث فيه Null

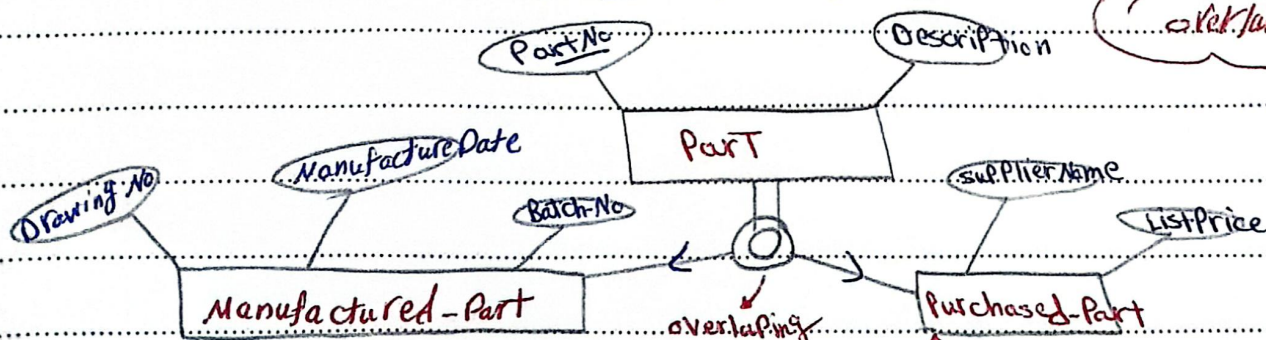
Local attributes: كثير، الطريف، دول، حسن، أفضل، جاري

مرد علی (جانی رکھو Employee)

<u>SSN</u>	FName	MName	LName	BirthDate	Address	<u>JobType</u>	TypingSpeed	Torade	EngType
------------	-------	-------	-------	-----------	---------	----------------	-------------	--------	---------

... disjoint ... حالة ...

...o.k. / a.p.p.in.g. / 2.17.13. *



Part No	Description	MFlag	Drawing No	Manufacture Date	Batch No	PFlag	Supplier Name	List Price
---------	-------------	-------	------------	------------------	----------	-------	---------------	------------

boolean